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OSMM&N File No. 220471US2S

Serial No. 10/091,423

In the matter of the Application of: Yusuke KAWAGUCHI, et al.

For: VERTICAL-TYPE POWER MOSFET WITH A GATE FORMED IN A TRENCH

Dept.: E/M

By: EHK/ZSS/dnf

Due Date: March 2, 2004

The following has been received in the U.S. Patent Office on the date stamped hereon:

- Credit Card Form for \$180.00
- Dep. Acct. Order Form
- Information Disclosure Statement
- PTO-1449
- Cited References (6)
- Search Report (EUROPEAN)



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DATE

CASE ID

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Docket No. 220471US2S

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Yusuke KAWAGUCHI, et al.

SERIAL NO: 10/091,423

GAU: 2826

FILED: March 7, 2002

EXAMINER: ERDEM, F.

FOR: VERTICAL-TYPE POWER MOSFET WITH A GATE FORMED IN A TRENCH



INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references listed on the attached European Search report and form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☒ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☒ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Eckhard H. Kuesters

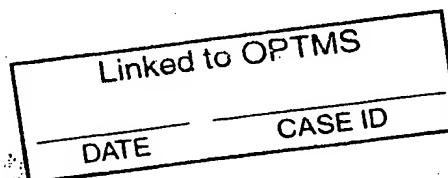
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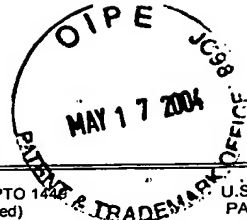
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 220471US2S		SERIAL NO. 10/091,423	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Yusuke KAWAGUCHI, et al.			
				FILING DATE March 7, 2002		GROUP 2826	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	4,941,026	07/10/90	TEMPLE			
	AB	5,637,898	06/10/97	BALIGA			
	AC	5,679,966	10/21/97	BALIGA ET AL.			
	AD	5,844,273	12/01/98	KONISHI			
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	EP 0 238 749 A2	09/30/87	EUROPEAN			
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	BALIGA, B. J., "Critical Nature of Oxide/Interface Quality for SiC Power Devices", 9 th Biennial Conference on Insulating Films on Semiconductors, Villard De Lans, France, 7-10 June 1995, Microelectronic Engineering, June 1995, Elsevier Publishers B.V., Amsterdam, Netherlands, vol. 28, no. 1-4, pages 177-184.					
	AX						
	AY						
	AZ					<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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